Aluminum Electrolytic Type / Surface Mount Type **RoHS compliance**

CE-LX Series

Low Impedance
Long Life

- 105℃, 2,000 to 5,000hrs.
- Solvent proof (within 2 minutes)

φ18×16.5 **NEW**

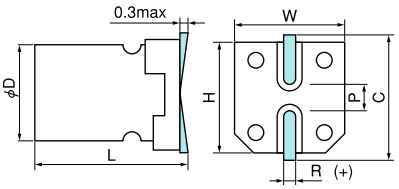
■ Specifications

Items	Condition		Specifications								
Rated voltage (V)	–		6.3	10	16	25	35	50	63	80	100
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79	100	125
Category temperature range (℃)	–		−55 to +105								
Capacitance tolerance (%)	120Hz/20℃		M : ±20								
Dissipation Factor (tanδ)	120Hz/20℃	φ4 to φ6.3	0.26	0.20	0.16	0.14	0.12	0.12	—	—	—
		φ8 to φ18	0.28	0.24	0.22	0.16	0.14	0.14	0.08	0.08	0.07
			When rated capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.								
Leakage current (LC)	μA/after 2minutes (max)		The greater value of either 0.01CV or 3								
Impedance ratio at low temperature	Based the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	3	3	3	3	3	2	2	2
		−55℃ Z/Z20℃	4	4	4	3	3	3	3	3	3
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ4 to φ6.3, φ10×7.7 : 2,000hrs., φ8 to φ18 : 5,000hrs.								
		△C/C	Within ±30% of the initial value								
		tanδ	≤ 3 times the initial specified value								
		LC	≤ The initial specified value								

■ Marking, Dimensions

[φD≤10]
Polarity (Cathode)
Lot No.
14
470
16 L
Rated Capacitance
Series Symbol
Rated Voltage(6.3V→6)

[φD≥12.5]
Polarity (Cathode)
Lot No.
Indicated φD=16, 18
14T
3300
16 L
Rated Capacitance
Series Symbol
Rated Voltage(6.3V→6)



A pressure relief vent is attached to products over φD=8

(Unit : mm)

D+0.5max	L±0.3	W±0.2	H±0.2	C±0.2	R	P±0.2
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7	10.3	10.3	11.0	1.0 to 1.4	4.6
10	10.2	10.3	10.3	11.0	1.0 to 1.4	4.6
12.5	13.5±0.5	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0
18	16.5±1.0	19.0	19.0	20.0	1.7 to 2.1	7.0

■ Model No.

LX series
16 CE 470 LX
- Series code
- Rated capacitance code
- Type code
- Rated voltage

LXT
16 CE 3300 LX T
- Sn plating terminal code
- Series code
- Rated capacitance code
- Type code
- Rated voltage

LXA series
16 CE 330 LXA
- Series code
- Rated capacitance code
- Type code
- Rated voltage

■ Size List, Impedance, Rated Ripple Current

μF \ V	6.3			10			16			25			35		
4.7													4×6.0	1.45	90
10										4×6.0	1.45	90	5×6.0	0.70	170
15							4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170
22				4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	5×6.0	0.70	170
27	4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250
33	5×6.0	0.70	170	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250
47	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250
56	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300
68	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300
100	5×6.0 ★2	0.70	170										6.3×7.7 ★2	0.30	300
	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.17	450
150	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.17	450	8×10.2	0.17	450
													10×7.7 ★1	0.17	450
220	6.3×6.0	0.39	250	6.3×7.7	0.30	300	6.3×7.7	0.30	300	8×10.2	0.17	450	8×10.2	0.17	450
										10×7.7 ★1	0.17	450			
330	6.3×7.7	0.30	300	8×10.2	0.17	450	8×10.2	0.17	450	8×10.2	0.17	450	10×10.2	0.090	670
							10×7.7 ★1	0.17	450						
470	8×10.2	0.17	450	8×10.2	0.17	450	8×10.2	0.17	450	10×10.2	0.090	670			
				10×7.7 ★1	0.17	450							12.5×13.5	0.060	900
680	8×10.2	0.17	450	10×10.2	0.090	670	10×10.2	0.090	670						
	10×7.7 ★1	0.17	450							12.5×13.5	0.060	900	12.5×13.5	0.060	900
1000	8×10.2	0.17	450	10×10.2	0.090	670	12.5×13.5	0.060	900	12.5×13.5	0.060	900	16×16.5	0.035	1800
1500	10×10.2	0.090	670	12.5×13.5	0.060	900	12.5×13.5	0.060	900	16×16.5	0.035	1800	16×16.5	0.035	1800
2200	12.5×13.5	0.060	900	12.5×13.5	0.060	900				16×16.5	0.035	1800	18×16.5	0.033	2060
3300							16×16.5	0.035	1800	18×16.5	0.033	2060			
4700				16×16.5	0.035	1800	18×16.5	0.033	2060						
6800	16×16.5	0.035	1800	18×16.5	0.033	2060									
8200	18×16.5	0.033	2060												
10000	18×16.5	0.033	2060												

μF \ V	50			63			80			100		
4.7	4×6.0	2.90	60									
10	6.3×6.0	0.88	165									
22	6.3×6.0	0.88	165									
27	6.3×7.7	0.68	195									
33	6.3×7.7	0.68	195							10×10.2	0.65	200
47	6.3×7.7	0.68	195	10×7.7 ★1	0.70	200	10×10.2	0.65	200	12.5×13.5	0.32	500
56	8×10.2	0.34	300									
68	8×10.2	0.34	300							12.5×13.5	0.32	500
100	8×10.2	0.34	300	12.5×13.5	0.16	580	12.5×13.5	0.32	500	16×16.5	0.17	793
	10×7.7 ★1	0.34	300									
150	10×10.2	0.18	490	12.5×13.5	0.16	580	12.5×13.5	0.32	500	16×16.5	0.17	793
220	10×10.2	0.18	490	12.5×13.5	0.16	580				18×16.5	0.153	917
330	12.5×13.5	0.12	620				16×16.5	0.17	793			
470	16×16.5	0.073	1610	16×16.5	0.082	1410						
680	16×16.5	0.073	1610	18×16.5	0.080	1690						
1000	16×16.5	0.073	1610									
1200	18×16.5	0.068	1900									

Please refer to page 15 for the ripple current frequency coefficient.

★1 LXA series
★2 LXS series

Case size:φDxL(mm)
16×16.5, 18×16.5:CE-LXT

Impedance(Ω)
max at 100kHz, 20℃

Rated ripple current
mArms(100kHz, 105℃)